

## APPENDIX A: ACRONYMS

### A

ABD	Architecture Block Diagram
AC	Alternating Current
AMP	Analysis Management Plan
AMS	Acquisition Management System
AND	Associate Administrator for NAS Development
ANSI	American National Standards Institute
APB	Acquisition Program Baseline
AR	Acquisition Review
ARP	Aerospace Recommended Procedure
ASR	Airport Surveillance Radar
ATM	Air Traffic Management
ATM	Automated Teller Machine

### C

C&A	Certification and Accreditation
CCB	Configuration Control Board
CDRL	Contract Data Requirements List
CFD	Control Flow Diagram
CFE	Contractor-Furnished Equipment
CHI	Computer-Human Interface
CI	Configuration Item
CM	Configuration Management
CNS	Communications, Navigation, and Surveillance
CONOPS	Concept of Operations
COTS	Commercial-Off-the-Shelf
CSA	Comparative Safety Assessment
CSC	Computer Software Component
CSCI	Computer Software Configuration Item
CSE	Computer Software Elements
CSU	Computer Software Unit

### D

DAR	Design Analysis Report
DC	Direct Current
DD	Data Dictionary
DFD	Data Flow Diagram
DoD	Department of Defense
DOORS	Dynamic Object-Oriented Requirements System

### E

E <sup>3</sup>	Electromagnetic Environmental Effects
ECP	Environmental Compliance Plan
EIA	Electronic Industries Alliance

EM	Electromagnetic
EMC	Electromagnetic Compatibility
EME	Electromagnetic Environment
EMI	Electromagnetic Interference
EPA	Environmental Protection Agency

## F

FAA	Federal Aviation Administration
FAD	Functional Analysis Document
FAE	Federal Acquisition Executive
FAR	Functional Architecture Referencing
FAST	Federal Aviation Administration Acquisition System Toolset
FBR	Functional Baseline Review
FCC	Federal Communications Commission
FFD	Functional Flow Diagram
FISMA	Federal Information Security Management Act
FMEA	Failure Modes and Effects Analysis
FMECA	Failure Modes and Effects Criticality Analysis
FMES	Failure Modes and Effects Summary
FRACAS	Failure Reporting Analysis and Corrective Action System
fRD	final Requirements Document
FTA	Fault Tree Analysis

## G

GAO	General Accounting Office
GPS	Global Positioning System

## H

HERF	Hazard of EM Radiation to Fuels
HERP	Hazard of EM Radiation to Personnel
HMM/EE	Hazardous Material Management/Environmental Engineering
HWCI	Hardware Configuration Item

## I

IA	Investment Analysis
IARR	Investment Analysis Readiness Review
IAW	In Accordance With
ICAO	International Civil Aviation Organization
ICD	Interface Control Document
iCMM	integrated Capability Maturity Model
ICR	Interface Change Request
IDEF	Integrated Definition for Function Modeling
IEEE	Institute of Electrical and Electronics Engineers, Inc.
I/F	Interface
IFR	Instrument Flight Rules
IM	Interface Management
IPP	Integrated Program Plan

IPS	Integrated Program Schedule
IR	Infrared
iRD	initial Requirements Document
IRD	Interface Requirements Document
IRT	Integrated Requirements Team
ISE	Information Security Engineering
ISO	International Organization for Standardization
ISRR	Initial System Requirements Review
ISS	Information Systems Security
ISSP	Integrated Safety System Program
ITP	Integrated Technical Planning
IWG	Interface Working Group
<b>J</b>	
JRC	Joint Resources Council
<b>L</b>	
LCE	Lifecycle Engineering
<b>M</b>	
MA	Mission Analysis
M&C	Monitor and Control
MASPS	Minimum Aviation System Performance Standards
MIL-STD	Military Standard
MND	Mission Need Decision
MNS	Mission Need Statement
MOE	Measures of Effectiveness
MOPS	Minimum Operational Performance Standards
MRS	Mature Requirements Statement
MTBF	Mean-Time-Between-Failure
MTTR	Mean-Time-To-Restore
MVP	Master Verification Plan
<b>N</b>	
N <sup>2</sup>	N-squared
NAS	National Airspace System
NCP	NAS Change Proposal
NDI	Nondevelopmental Item
NIST	National Institute of Standards
<b>O</b>	
OMB	Office of Management and Budget
OOA	Object-Oriented Analysis
ORD	Operational Requirements Document
OSA	Operational Safety Assessment
OSED	Operational Services and Environmental Description

OSHA Occupational Safety and Health Administration  
OSI Open System Interconnection

**P**

PBM Process-Based Management  
PDR Preliminary Design Review  
PHA Preliminary Hazard Analysis  
PIN Personal Identification Number  
PRS Primitive Requirements Statement  
P-Spec Process Specification  
PTR Program Trouble Report  
PUI Program-Unique Identifier

**Q**

QFD Quality Function Deployment

**R**

RADHAZ Radiation Hazard  
RCM Reliability-Centered Maintenance  
RDGT Reliability Development Growth Testing  
RF Radio Frequency  
RFP Request for Proposal  
RM Requirements Management  
RMA Reliability, Maintainability, Availability  
ROM Rough Order of Magnitude  
RPG Radar Product Generator  
RVCD Requirements Verification Compliance Document

**S**

SAE Society of Automotive Engineers  
SARP Standards and Recommended Practices  
SBD Schematic Block Diagram  
SDP Software Development Process  
SDR System Design Review  
SE System Engineering  
SEC System Engineering Council  
SEM System Engineering Manual  
SEMP System Engineering Management Plan  
SFRA System Functional Requirements Analysis  
SHA System Hazard Analysis  
SI Solution Implementation  
SOW Statement of Work  
SP Special Publication  
SpecEng Specialty Engineering  
SRVT Safety Requirements Verification Table  
SSAR System Safety Assessment Report  
SSE System Safety Engineering

SSH	System Safety Handbook
SSHA	Subsystem Hazard Analysis
SSMP	System Safety Management Plan
SSP	System Security Plan
SSPP	System Safety Program Plan
SSWG	System Safety Working Group
STD	Standard
STD	State Transition Diagram
<b>T</b>	
T&E	Test and Evaluation
TLS	Time Line Sheet
TPM	Technical Performance Measure
<b>U</b>	
UML	Unified Modeling Language
URL	Uniform Resource Locator
<b>V</b>	
VFR	Visual Flight Rules
VOR	Very High Frequency Omnidirectional Range
VRR	Verification Readiness Review
VRTM	Verification Requirements Traceability Matrix
<b>W</b>	
WARP	Weather and Radar Processor
WBS	Work Breakdown Structure
WSP	Weather System Processor